

## ABSTRACT

A reproducing apparatus is provided for enabling reproduction of a moving image file using index information of larger size than a memory size without re-reading the index information into the memory.

The reproducing apparatus includes: a table size obtaining unit (S40) which obtains, from a recording medium, size information of a table which holds index information for the moving image file; a memory for storing index information; a memory size obtaining unit (S42) which obtains size information of the memory; a calculating unit (S41) which calculates the thinning-out ratio of the index information so that the size of the table becomes equal to or smaller than the size of the memory; a thinning-out unit (S44) which thins out the index information based on the thinning-out ratio; and a writing unit (S45) which writes the thinned-out index information into the memory.